

**EAST Search History****EAST Search History (Prior Art)**

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|---|---|------------------|---------|---------------------|
| L4    | 2    | (US-20040249699-\$).did.<br>or (US-6526392-\$).did.         | US-PGPUB;<br>USPAT                                      | OR               | ON      | 2010/05/21<br>16:49 |
| L5    | 0    | 4 and ((quantit\$ or<br>amount) with product)               | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2010/05/21<br>16:50 |
| L6    | 802  | "yield management"  | US-PGPUB;<br>USPAT                                      | OR               | ON      | 2010/05/21<br>16:52 |
| L7    | 14   | L6 same allocate  | US-PGPUB;<br>USPAT                                      | OR               | ON      | 2010/05/21<br>16:52 |
| L8    | 92   | L6 and allocate   | US-PGPUB;<br>USPAT                                      | OR               | ON      | 2010/05/21<br>16:52 |
| L9    | 197  | L6 and (demand and<br>historical)                           | US-PGPUB;<br>USPAT                                      | OR               | ON      | 2010/05/21<br>16:52 |
| L10   | 3    | L9 and "predicted data"                                     | US-PGPUB;<br>USPAT                                      | OR               | ON      | 2010/05/21<br>16:52 |
| L11   | 86   | L9 and predict  | US-PGPUB;<br>USPAT                                      | OR               | ON      | 2010/05/21<br>16:52 |
| L12   | 133  | L9 and (predict or<br>forecast)                             | US-PGPUB;<br>USPAT                                      | OR               | ON      | 2010/05/21<br>16:52 |
| L13   | 116  | L12 and (price and<br>service)                              | US-PGPUB;<br>USPAT                                      | OR               | ON      | 2010/05/21<br>16:52 |
| L14   | 114  | L12 and (price and<br>service)                              | US-PGPUB;<br>USPAT                                      | OR               | OFF     | 2010/05/21<br>16:52 |
| L15   | 1    | ("20050114274").PN.   | US-PGPUB;<br>USPAT                                      | OR               | OFF     | 2010/05/21<br>16:52 |
| L16   | 802  | "yield management"  | US-PGPUB;<br>USPAT                                      | OR               | ON      | 2010/05/21<br>16:52 |
| L17   | 197  | L16 and (demand and<br>historical)                          | US-PGPUB;<br>USPAT                                      | OR               | ON      | 2010/05/21<br>16:52 |
| L18   | 133  | L17 and (predict or<br>forecast)                            | US-PGPUB;<br>USPAT                                      | OR               | ON      | 2010/05/21<br>16:52 |
| L19   | 114  | L18 and (price and<br>service)                              | US-PGPUB;<br>USPAT                                      | OR               | OFF     | 2010/05/21<br>16:52 |
| L20   | 63   | L19 and (linear or (non<br>adj2 linear) adj<br>programming) | US-PGPUB;<br>USPAT                                      | OR               | OFF     | 2010/05/21<br>16:52 |
| L21   | 20   | L19 and "linear<br>programming"                             | US-PGPUB;<br>USPAT                                      | OR               | OFF     | 2010/05/21<br>16:52 |

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|-----|----|--|--------------------|----|-----|---------------------|
| L22 | 48 | ((("5938732") or<br>("5475758") or<br>("5517566") or<br>("5537598") or<br>("6061662") or<br>("6061662") or<br>("4542455") or<br>("6223203") or<br>("6223203") or<br>("5247664") or<br>("5335345") or<br>("5634056") or<br>("5675797") or<br>("5808911") or<br>("5819034") or<br>("5914585") or<br>("5915090") or<br>("6182134") or<br>("6233623") or<br>("6317700") or<br>("20050120160") or<br>("20070208694") or<br>("5687363") or<br>("5721909") or<br>("5764977") or<br>("5835757") or<br>("6185609") or<br>("4872119") or<br>("5684671") or<br>("5742807") or<br>("5797809") or<br>("5841972") or<br>("5877938") or<br>("5943674") or<br>("5987452") or<br>("5475817") or<br>("5544320") or<br>("5696901") or<br>("5974444") or<br>("4875158") or<br>("4910655") or<br>("4912627") or<br>("5214778") or<br>("5243518") or<br>("5249230") or<br>("5361347") or<br>("5363374") or<br>("5402490") or<br>("5414845") or<br>("5442791")).PN. | US-PGPUB;<br>USPAT | OR | OFF | 2010/05/21<br>16:52 |
| L23 | 1  | ("20050114274").PN.  | US-PGPUB;<br>USPAT | OR | OFF | 2010/05/21<br>16:52 |

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| L24 | 1653  | (price and service) with level                     | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L25 | 43    | L24 and ((linear or nonlinear) adj programming)    | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L26 | 20781 | (optimal or optimize) with configuration           | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L27 | 39    | L24 and L26  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L28 | 8     | L27 and ((linear or nonlinear) adj programming)    | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L29 | 26    | L27 and (historical and (predict\$ or forecast\$)) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L30 | 22    | L29 and programming                                | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L31 | 7     | L29 and (linear adj programming)                   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L32 | 30869 | (allocation or allocate) with resource             | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L33 | 22    | L27 and L32  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |

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| L34 | 22   | L33 and (price and service)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L35 | 1    | L33 and (solve same optimization)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L36 | 2    | ("20020194251").PN.  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L37 | 1    | L34 and L36  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L38 | 1653 | (price and service) with level   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L39 | 152  | L38 and (resource with allocation)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L40 | 29   | L39 and (((predict\$ or forecast\$) with demand) and (historical with demand)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L41 | 8    | L40 and usage  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L42 | 12   | L39 and (programming with (linear or nonlinear or non-linear))                 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L43 | 5    | L42 and (resource with usage)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |

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|-----|-------|---|---|----|-----|---------------------|
| L44 | 9     | L39 and "yield management"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L45 | 7     | L44 and configuration   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L46 | 124   | (price near level) and<br>(service near level)                                    | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L47 | 152   | L39 and (resource with allocation)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L48 | 46    | L46 and (resource with allocation)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L49 | 23    | L48 and (((predict\$ or forecast\$) with demand)<br>and (historical with demand)) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L50 | 3     | L49 and (resource with usage)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L51 | 2     | ("20020198995").PN.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L52 | 49864 | (computer or computing)<br>with resource  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L53 | 124   | (price near level) and<br>(service near level)                                    | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |

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|-----|------|---|---|----|-----|---------------------|
| L54 | 21   | L52 and L53   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L55 | 6475 | (computer or computing)<br>adj resource   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L56 | 8    | L55 and L53   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L57 | 2    | ("6526392").PN.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L58 | 3    | ((demand with curve) or<br>"descrete choice model")<br>and (historical and<br>(forecast\$ or predicted))<br>and ((revenue or profit)<br>with model) and<br>(management with goal) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L59 | 41   | ((demand with curve) or<br>"descrete choice model")<br>and (historical and<br>(forecast\$ or predicted))<br>and ((revenue or profit)<br>with model)                               | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L60 | 31   | ((demand with curve) or<br>"descrete choice model")<br>same ((price or service)<br>with level)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L61 | 6    | ((demand with curve) or<br>"descrete choice model")<br>same ((price with level)<br>and (service with level))  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L62 | 4    | "5862556"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L63 | 50   | "6041307"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |

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| L64 | 6    | (("5862556") or ("6041307") or ("6230144")).PN.   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L65 | 48   | (US-20050120160-\$ or US-20070208694-\$).did. or (US-5938732-\$ or US-5517566-\$ or US-5537598-\$ or US-6061662-\$ or US-4542455-\$ or US-6223203-\$ or US-5247664-\$ or US-5335345-\$ or US-5634056-\$ or US-5675797-\$ or US-5808911-\$ or US-5819034-\$ or US-5914585-\$ or US-5915090-\$ or US-6182134-\$ or US-6233623-\$ or US-6317700-\$ or US-5687363-\$ or US-5721909-\$ or US-5764977-\$ or US-5835757-\$ or US-6185609-\$ or US-4872119-\$ or US-5684671-\$ or US-5742807-\$ or US-5797809-\$).did. or (US-5841972-\$ or US-5877938-\$ or US-5943674-\$ or US-5987452-\$ or US-5475817-\$ or US-5544320-\$ or US-5696901-\$ or US-5974444-\$ or US-4875158-\$ or US-4910655-\$ or US-4912627-\$ or US-5214778-\$ or US-5243518-\$ or US-5249230-\$ or US-5361347-\$ or US-5363374-\$ or US-5402490-\$ or US-5414845-\$ or US-5442791-\$ or US-5475758-\$).did. | US-PGPUB; USPAT                             | OR | OFF | 2010/05/21 16:52 |
| L66 | 0    | L65 and "yield management"  | US-PGPUB; USPAT                             | OR | ON  | 2010/05/21 16:52 |
| L67 | 3822 | (price and service) same combination  | US-PGPUB; USPAT                             | OR | ON  | 2010/05/21 16:52 |
| L68 | 121  | ((price and service) with level) same combination   | US-PGPUB; USPAT                             | OR | ON  | 2010/05/21 16:52 |
| L69 | 12   | L68 and "yield management"  | US-PGPUB; USPAT                             | OR | ON  | 2010/05/21 16:52 |
| L70 | 8    | L69 and ((demand with curve) or "discrete choice model")  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L71 | 802  | "yield management"  | US-PGPUB; USPAT                             | OR | ON  | 2010/05/21 16:52 |

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|-----|-----|---|--------------------|----|-----|---------------------|
| L72 | 14  | L71 same allocate   | US-PGPUB;<br>USPAT | OR | ON  | 2010/05/21<br>16:52 |
| L73 | 92  | L71 and allocate  | US-PGPUB;<br>USPAT | OR | ON  | 2010/05/21<br>16:52 |
| L74 | 197 | L71 and (demand and historical)   | US-PGPUB;<br>USPAT | OR | ON  | 2010/05/21<br>16:52 |
| L75 | 3   | L74 and "predicted data"  | US-PGPUB;<br>USPAT | OR | ON  | 2010/05/21<br>16:52 |
| L76 | 86  | L74 and predict   | US-PGPUB;<br>USPAT | OR | ON  | 2010/05/21<br>16:52 |
| L77 | 133 | L74 and (predict or forecast)   | US-PGPUB;<br>USPAT | OR | ON  | 2010/05/21<br>16:52 |
| L78 | 116 | L77 and (price and service)   | US-PGPUB;<br>USPAT | OR | ON  | 2010/05/21<br>16:52 |
| L79 | 114 | L77 and (price and service)   | US-PGPUB;<br>USPAT | OR | OFF | 2010/05/21<br>16:52 |
| L80 | 1   | ("20050114274").PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2010/05/21<br>16:52 |
| L81 | 802 | "yield management"  | US-PGPUB;<br>USPAT | OR | ON  | 2010/05/21<br>16:52 |
| L82 | 197 | L81 and (demand and historical)   | US-PGPUB;<br>USPAT | OR | ON  | 2010/05/21<br>16:52 |
| L83 | 133 | L82 and (predict or forecast)   | US-PGPUB;<br>USPAT | OR | ON  | 2010/05/21<br>16:52 |
| L84 | 114 | L83 and (price and service)   | US-PGPUB;<br>USPAT | OR | OFF | 2010/05/21<br>16:52 |
| L85 | 63  | L84 and (linear or (non adj2 linear) adj programming)   | US-PGPUB;<br>USPAT | OR | OFF | 2010/05/21<br>16:52 |
| L86 | 20  | L84 and "linear programming"  | US-PGPUB;<br>USPAT | OR | OFF | 2010/05/21<br>16:52 |
| L87 | 48  | ((("5938732") or<br>(("5475758") or<br>(("5517566") or<br>(("5537598") or<br>(("6061662") or<br>(("6061662") or<br>(("4542455") or<br>(("6223203") or<br>(("6223203") or<br>(("5247664") or<br>(("5335345") or<br>(("5634056") or<br>(("5675797") or<br>(("5808911") or<br>(("5819034") or<br>(("5914585") or<br>(("5915090") or<br>(("6182134") or<br>(("6233623") or<br>(("6317700") or | US-PGPUB;<br>USPAT | OR | OFF | 2010/05/21<br>16:52 |

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|-----|-------|--|---|----|-----|---------------------|
|     |       | ("20050120160") or<br>("20070208694") or<br>("5687363") or<br>("5721909") or<br>("5764977") or<br>("5835757") or<br>("6185609") or<br>("4872119") or<br>("5684671") or<br>("5742807") or<br>("5797809") or<br>("5841972") or<br>("5877938") or<br>("5943674") or<br>("5987452") or<br>("5475817") or<br>("5544320") or<br>("5696901") or<br>("5974444") or<br>("4875158") or<br>("4910655") or<br>("4912627") or<br>("5214778") or<br>("5243518") or<br>("5249230") or<br>("5361347") or<br>("5363374") or<br>("5402490") or<br>("5414845") or<br>("5442791")).PN. |   |    |     |                     |
| L88 | 1     | ("20050114274").PN.  | US-PGPUB;<br>USPAT                                      | OR | OFF | 2010/05/21<br>16:52 |
| L89 | 1653  | (price and service) with<br>level  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L90 | 43    | L89 and ((linear or<br>nonlinear) adj<br>programming)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L91 | 20781 | (optimal or optimize) with<br>configuration  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L92 | 39    | L89 and L91  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |

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|------|-------|--|---|----|-----|------------------|
| L93  | 8     | L92 and ((linear or nonlinear) adj programming)    | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L94  | 26    | L92 and (historical and (predict\$ or forecast\$)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L95  | 22    | L94 and programming                                | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L96  | 7     | L94 and (linear adj programming)                   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L97  | 30869 | (allocation or allocate) with resource             | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L98  | 22    | L92 and L97  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L99  | 22    | L98 and (price and service)                        | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L100 | 1     | L98 and (solve same optimization)                  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L101 | 2     | ("20020194251").PN.                                | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L102 | 1     | L99 and L101                                       | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |

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|------|------|---|---|----|-----|---------------------|
| L103 | 1653 | (price and service) with level  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L104 | 152  | L103 and (resource with allocation)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L105 | 29   | L104 and (((predict\$ or forecast\$) with demand) and (historical with demand)) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L106 | 8    | L105 and usage  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L107 | 12   | L104 and (programming with (linear or nonlinear or non-linear))                 | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L108 | 5    | L107 and (resource with usage)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L109 | 9    | L104 and "yield management"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L110 | 7    | L109 and configuration  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L111 | 124  | (price near level) and (service near level)                                     | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L112 | 152  | L104 and (resource with allocation)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |

|      |       |   |   |    |     |                  |
|------|-------|---|---|----|-----|------------------|
| L113 | 46    | L111 and (resource with allocation)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L114 | 23    | L113 and (((predict\$ or forecast\$) with demand) and (historical with demand)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L115 | 3     | L114 and (resource with usage)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L116 | 2     | ("20020198995").PN.   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L117 | 49864 | (computer or computing) with resource   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L118 | 124   | (price near level) and (service near level)                                     | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L119 | 21    | L117 and L118   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L120 | 6475  | (computer or computing) adj resource  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L121 | 8     | L120 and L118   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L122 | 2     | ("6526392").PN.   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |

|      |    |   |   |    |     |                  |
|------|----|---|---|----|-----|------------------|
| L123 | 3  | ((demand with curve) or "descrete choice model") and (historical and (forecast\$ or predicted)) and ((revenue or profit) with model) and (management with goal) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L124 | 41 | ((demand with curve) or "descrete choice model") and (historical and (forecast\$ or predicted)) and ((revenue or profit) with model)                            | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L125 | 31 | ((demand with curve) or "descrete choice model") same ((price or service) with level)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L126 | 6  | ((demand with curve) or "descrete choice model") same ((price with level) and (service with level))   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L127 | 4  | "5862556"   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L128 | 50 | "6041307"   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L129 | 6  | ("5862556") or ("6041307") or ("6230144").PN.   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L130 | 0  | (10/718210).APP.  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L131 | 0  | "10718210.ap"   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L132 | 2  | ("20050114274").PN.   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |

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|------|-----|---|---|----|-----|------------------|
| L133 | 346 | (computer with resource) and ((electronic or electric) with utility)      | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L134 | 1   | L68 and L133  | US-PGPUB; USPAT                             | OR | ON  | 2010/05/21 16:52 |
| L135 | 8   | L133 and "yield management"   | US-PGPUB; USPAT                             | OR | ON  | 2010/05/21 16:52 |
| L136 | 77  | (computer with resource) and ("electronic utility" or "electric utility") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L137 | 1   | L68 and L136  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L138 | 1   | L136 and (management with model)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L139 | 1   | L136 and (demand same goal same management)                               | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L140 | 57  | L136 and demand   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L141 | 43  | L140 and usage  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L142 | 15  | L140 and (demand same usage)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L143 | 20  | (computer adj3 resource) and ("electronic utility" or "electric utility") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |

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|------|-------|--|---|----|-----|------------------|
| L144 | 0     | (computer adj3 resource) same ("electronic utility" or "electric utility") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L145 | 22    | resource with ("electronic utility" or "electric utility")                 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L146 | 2308  | resource with utility  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L147 | 24    | L146 same (price and service)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L148 | 14004 | computer with utility  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L149 | 2     | (US-20040249699-\$).did. or (US-6526392-\$).did.                           | US-PGPUB; USPAT                             | OR | OFF | 2010/05/21 16:52 |
| L150 | 1     | L149 and web   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L151 | 34267 | web with host\$  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L152 | 20    | L68 and L151   | US-PGPUB; USPAT                             | OR | ON  | 2010/05/21 16:52 |
| L153 | 14543 | web adj3 host\$  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L154 | 11    | L68 and L153   | US-PGPUB; USPAT                             | OR | ON  | 2010/05/21 16:52 |
| L155 | 5694  | "electric utility"   | US-PGPUB; USPAT                             | OR | ON  | 2010/05/21 16:52 |
| L156 | 202   | "electronic utility"   | US-PGPUB; USPAT                             | OR | ON  | 2010/05/21 16:52 |

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|------|-----|--|--------------------|----|-----|---------------------|
| L157 | 1   | L68 and L156   | US-PGPUB;<br>USPAT | OR | ON  | 2010/05/21<br>16:52 |
| L158 | 9   | L156 and (allocat\$ with<br>resource)                        | US-PGPUB;<br>USPAT | OR | ON  | 2010/05/21<br>16:52 |
| L159 | 25  | "electronic utility" same<br>resource                        | US-PGPUB;<br>USPAT | OR | ON  | 2010/05/21<br>16:52 |
| L160 | 802 | "yield management"   | US-PGPUB;<br>USPAT | OR | ON  | 2010/05/21<br>16:52 |
| L161 | 14  | L160 same allocate   | US-PGPUB;<br>USPAT | OR | ON  | 2010/05/21<br>16:52 |
| L162 | 92  | L160 and allocate  | US-PGPUB;<br>USPAT | OR | ON  | 2010/05/21<br>16:52 |
| L163 | 197 | L160 and (demand and<br>historical)                          | US-PGPUB;<br>USPAT | OR | ON  | 2010/05/21<br>16:52 |
| L164 | 3   | L163 and "predicted data"                                    | US-PGPUB;<br>USPAT | OR | ON  | 2010/05/21<br>16:52 |
| L165 | 86  | L163 and predict   | US-PGPUB;<br>USPAT | OR | ON  | 2010/05/21<br>16:52 |
| L166 | 133 | L163 and (predict or<br>forecast)                            | US-PGPUB;<br>USPAT | OR | ON  | 2010/05/21<br>16:52 |
| L167 | 116 | L166 and (price and<br>service)                              | US-PGPUB;<br>USPAT | OR | ON  | 2010/05/21<br>16:52 |
| L168 | 114 | L166 and (price and<br>service)                              | US-PGPUB;<br>USPAT | OR | OFF | 2010/05/21<br>16:52 |
| L169 | 1   | ("20050114274").PN.  | US-PGPUB;<br>USPAT | OR | OFF | 2010/05/21<br>16:52 |
| L170 | 802 | "yield management"   | US-PGPUB;<br>USPAT | OR | ON  | 2010/05/21<br>16:52 |
| L171 | 197 | L170 and (demand and<br>historical)                          | US-PGPUB;<br>USPAT | OR | ON  | 2010/05/21<br>16:52 |
| L172 | 133 | L171 and (predict or<br>forecast)                            | US-PGPUB;<br>USPAT | OR | ON  | 2010/05/21<br>16:52 |
| L173 | 114 | L172 and (price and<br>service)                              | US-PGPUB;<br>USPAT | OR | OFF | 2010/05/21<br>16:52 |
| L174 | 63  | L173 and (linear or (non<br>adj2 linear) adj<br>programming) | US-PGPUB;<br>USPAT | OR | OFF | 2010/05/21<br>16:52 |
| L175 | 20  | L173 and "linear<br>programming"                             | US-PGPUB;<br>USPAT | OR | OFF | 2010/05/21<br>16:52 |

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|------|----|--|--------------------|----|-----|---------------------|
| L176 | 48 | ((("5938732") or<br>("5475758") or<br>("5517566") or<br>("5537598") or<br>("6061662") or<br>("6061662") or<br>("4542455") or<br>("6223203") or<br>("6223203") or<br>("5247664") or<br>("5335345") or<br>("5634056") or<br>("5675797") or<br>("5808911") or<br>("5819034") or<br>("5914585") or<br>("5915090") or<br>("6182134") or<br>("6233623") or<br>("6317700") or<br>("20050120160") or<br>("20070208694") or<br>("5687363") or<br>("5721909") or<br>("5764977") or<br>("5835757") or<br>("6185609") or<br>("4872119") or<br>("5684671") or<br>("5742807") or<br>("5797809") or<br>("5841972") or<br>("5877938") or<br>("5943674") or<br>("5987452") or<br>("5475817") or<br>("5544320") or<br>("5696901") or<br>("5974444") or<br>("4875158") or<br>("4910655") or<br>("4912627") or<br>("5214778") or<br>("5243518") or<br>("5249230") or<br>("5361347") or<br>("5363374") or<br>("5402490") or<br>("5414845") or<br>("5442791")).PN. | US-PGPUB;<br>USPAT | OR | OFF | 2010/05/21<br>16:52 |
| L177 | 1  | ("20050114274").PN.  | US-PGPUB;<br>USPAT | OR | OFF | 2010/05/21<br>16:52 |

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|------|-------|---|---|----|-----|---------------------|
| L178 | 1653  | (price and service) with level                      | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L179 | 43    | L178 and ((linear or nonlinear) adj programming)    | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L180 | 20781 | (optimal or optimize) with configuration            | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L181 | 39    | L178 and L180                                       | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L182 | 8     | L181 and ((linear or nonlinear) adj programming)    | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L183 | 26    | L181 and (historical and (predict\$ or forecast\$)) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L184 | 22    | L183 and programming                                | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L185 | 7     | L183 and (linear adj programming)                   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L186 | 30869 | (allocation or allocate) with resource              | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L187 | 22    | L181 and L186                                       | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |

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| L188 | 22   | L187 and (price and service)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L189 | 1    | L187 and (solve same optimization)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L190 | 2    | ("20020194251").PN.   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L191 | 1    | L188 and L190   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L192 | 1653 | (price and service) with level  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L193 | 152  | L192 and (resource with allocation)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L194 | 29   | L193 and (((predict\$ or forecast\$) with demand) and (historical with demand)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L195 | 8    | L194 and usage  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L196 | 12   | L193 and (programming with (linear or nonlinear or non-linear))                 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L197 | 5    | L196 and (resource with usage)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |

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|------|-------|---|---|----|-----|---------------------|
| L198 | 9     | L193 and "yield management"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L199 | 7     | L198 and configuration  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L200 | 124   | (price near level) and (service near level)                                     | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L201 | 152   | L193 and (resource with allocation)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L202 | 46    | L200 and (resource with allocation)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L203 | 23    | L202 and (((predict\$ or forecast\$) with demand) and (historical with demand)) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L204 | 3     | L203 and (resource with usage)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L205 | 2     | ("20020198995").PN.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L206 | 49864 | (computer or computing) with resource   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L207 | 124   | (price near level) and (service near level)                                     | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |

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| L208 | 21   | L206 and L207   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L209 | 6475 | (computer or computing)<br>adj resource   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L210 | 8    | L209 and L207   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L211 | 2    | ("6526392").PN.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L212 | 3    | ((demand with curve) or<br>"descrete choice model")<br>and (historical and<br>(forecast\$ or predicted))<br>and ((revenue or profit)<br>with model) and<br>(management with goal) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L213 | 41   | ((demand with curve) or<br>"descrete choice model")<br>and (historical and<br>(forecast\$ or predicted))<br>and ((revenue or profit)<br>with model)                               | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L214 | 31   | ((demand with curve) or<br>"descrete choice model")<br>same ((price or service)<br>with level)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L215 | 6    | ((demand with curve) or<br>"descrete choice model")<br>same ((price with level)<br>and (service with level))  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L216 | 4    | "5862556"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L217 | 50   | "6041307"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |

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| L218 | 6    | (("5862556") or ("6041307") or ("6230144")).PN.   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L219 | 48   | (US-20050120160-\$ or US-20070208694-\$).did. or (US-5938732-\$ or US-5517566-\$ or US-5537598-\$ or US-6061662-\$ or US-4542455-\$ or US-6223203-\$ or US-5247664-\$ or US-5335345-\$ or US-5634056-\$ or US-5675797-\$ or US-5808911-\$ or US-5819034-\$ or US-5914585-\$ or US-5915090-\$ or US-6182134-\$ or US-6233623-\$ or US-6317700-\$ or US-5687363-\$ or US-5721909-\$ or US-5764977-\$ or US-5835757-\$ or US-6185609-\$ or US-4872119-\$ or US-5684671-\$ or US-5742807-\$ or US-5797809-\$).did. or (US-5841972-\$ or US-5877938-\$ or US-5943674-\$ or US-5987452-\$ or US-5475817-\$ or US-5544320-\$ or US-5696901-\$ or US-5974444-\$ or US-4875158-\$ or US-4910655-\$ or US-4912627-\$ or US-5214778-\$ or US-5243518-\$ or US-5249230-\$ or US-5361347-\$ or US-5363374-\$ or US-5402490-\$ or US-5414845-\$ or US-5442791-\$ or US-5475758-\$).did. | US-PGPUB; USPAT                             | OR | OFF | 2010/05/21 16:52 |
| L220 | 0    | L219 and "yield management"   | US-PGPUB; USPAT                             | OR | ON  | 2010/05/21 16:52 |
| L221 | 3822 | (price and service) same combination  | US-PGPUB; USPAT                             | OR | ON  | 2010/05/21 16:52 |
| L222 | 121  | ((price and service) with level) same combination   | US-PGPUB; USPAT                             | OR | ON  | 2010/05/21 16:52 |
| L223 | 12   | L222 and "yield management"   | US-PGPUB; USPAT                             | OR | ON  | 2010/05/21 16:52 |
| L224 | 8    | L223 and ((demand with curve) or "discrete choice model")   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L225 | 802  | "yield management"  | US-PGPUB; USPAT                             | OR | ON  | 2010/05/21 16:52 |

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|------|-----|---|--------------------|----|-----|---------------------|
| L226 | 14  | L225 same allocate  | US-PGPUB;<br>USPAT | OR | ON  | 2010/05/21<br>16:52 |
| L227 | 92  | L225 and allocate   | US-PGPUB;<br>USPAT | OR | ON  | 2010/05/21<br>16:52 |
| L228 | 197 | L225 and (demand and historical)  | US-PGPUB;<br>USPAT | OR | ON  | 2010/05/21<br>16:52 |
| L229 | 3   | L228 and "predicted data"   | US-PGPUB;<br>USPAT | OR | ON  | 2010/05/21<br>16:52 |
| L230 | 86  | L228 and predict  | US-PGPUB;<br>USPAT | OR | ON  | 2010/05/21<br>16:52 |
| L231 | 133 | L228 and (predict or forecast)  | US-PGPUB;<br>USPAT | OR | ON  | 2010/05/21<br>16:52 |
| L232 | 116 | L231 and (price and service)  | US-PGPUB;<br>USPAT | OR | ON  | 2010/05/21<br>16:52 |
| L233 | 114 | L231 and (price and service)  | US-PGPUB;<br>USPAT | OR | OFF | 2010/05/21<br>16:52 |
| L234 | 1   | ("20050114274").PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2010/05/21<br>16:52 |
| L235 | 802 | "yield management"  | US-PGPUB;<br>USPAT | OR | ON  | 2010/05/21<br>16:52 |
| L236 | 197 | L235 and (demand and historical)  | US-PGPUB;<br>USPAT | OR | ON  | 2010/05/21<br>16:52 |
| L237 | 133 | L236 and (predict or forecast)  | US-PGPUB;<br>USPAT | OR | ON  | 2010/05/21<br>16:52 |
| L238 | 114 | L237 and (price and service)  | US-PGPUB;<br>USPAT | OR | OFF | 2010/05/21<br>16:52 |
| L239 | 63  | L238 and (linear or (non adj2 linear) adj programming)  | US-PGPUB;<br>USPAT | OR | OFF | 2010/05/21<br>16:52 |
| L240 | 20  | L238 and "linear programming"   | US-PGPUB;<br>USPAT | OR | OFF | 2010/05/21<br>16:52 |
| L241 | 48  | ((("5938732") or<br>(("5475758") or<br>(("5517566") or<br>(("5537598") or<br>(("6061662") or<br>(("6061662") or<br>(("4542455") or<br>(("6223203") or<br>(("6223203") or<br>(("5247664") or<br>(("5335345") or<br>(("5634056") or<br>(("5675797") or<br>(("5808911") or<br>(("5819034") or<br>(("5914585") or<br>(("5915090") or<br>(("6182134") or<br>(("6233623") or<br>(("6317700") or | US-PGPUB;<br>USPAT | OR | OFF | 2010/05/21<br>16:52 |

|      |       |  |   |    |     |                     |
|------|-------|--|---|----|-----|---------------------|
|      |       | ("20050120160") or<br>("20070208694") or<br>("5687363") or<br>("5721909") or<br>("5764977") or<br>("5835757") or<br>("6185609") or<br>("4872119") or<br>("5684671") or<br>("5742807") or<br>("5797809") or<br>("5841972") or<br>("5877938") or<br>("5943674") or<br>("5987452") or<br>("5475817") or<br>("5544320") or<br>("5696901") or<br>("5974444") or<br>("4875158") or<br>("4910655") or<br>("4912627") or<br>("5214778") or<br>("5243518") or<br>("5249230") or<br>("5361347") or<br>("5363374") or<br>("5402490") or<br>("5414845") or<br>("5442791")).PN. |   |    |     |                     |
| L242 | 1     | ("20050114274").PN.  | US-PGPUB;<br>USPAT                                      | OR | OFF | 2010/05/21<br>16:52 |
| L243 | 1653  | (price and service) with<br>level  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L244 | 43    | L243 and ((linear or<br>nonlinear) adj<br>programming)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L245 | 20781 | (optimal or optimize) with<br>configuration  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |
| L246 | 39    | L243 and L245  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>16:52 |

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|------|-------|---|---|----|-----|------------------|
| L247 | 8     | L246 and ((linear or nonlinear) adj programming)    | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L248 | 26    | L246 and (historical and (predict\$ or forecast\$)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L249 | 22    | L248 and programming                                | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L250 | 7     | L248 and (linear adj programming)                   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L251 | 30869 | (allocation or allocate) with resource              | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L252 | 22    | L246 and L251                                       | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L253 | 22    | L252 and (price and service)                        | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L254 | 1     | L252 and (solve same optimization)                  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L255 | 2     | ("20020194251").PN.                                 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L256 | 1     | L253 and L255                                       | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |

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|------|------|---|---|----|-----|------------------|
| L257 | 1653 | (price and service) with level  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L258 | 152  | L257 and (resource with allocation)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L259 | 29   | L258 and (((predict\$ or forecast\$) with demand) and (historical with demand)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L260 | 8    | L259 and usage  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L261 | 12   | L258 and (programming with (linear or nonlinear or non-linear))                 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L262 | 5    | L261 and (resource with usage)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L263 | 9    | L258 and "yield management"   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L264 | 7    | L263 and configuration  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L265 | 124  | (price near level) and (service near level)                                     | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L266 | 152  | L258 and (resource with allocation)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |

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|------|-------|---|---|----|-----|------------------|
| L267 | 46    | L265 and (resource with allocation)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L268 | 23    | L267 and (((predict\$ or forecast\$) with demand) and (historical with demand)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L269 | 3     | L268 and (resource with usage)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L270 | 2     | ("20020198995").PN.   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L271 | 49864 | (computer or computing) with resource   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L272 | 124   | (price near level) and (service near level)                                     | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L273 | 21    | L271 and L272   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L274 | 6475  | (computer or computing) adj resource  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L275 | 8     | L274 and L272   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L276 | 2     | ("6526392").PN.   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |

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|------|----|---|---|----|-----|------------------|
| L277 | 3  | ((demand with curve) or "descrete choice model") and (historical and (forecast\$ or predicted)) and ((revenue or profit) with model) and (management with goal) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L278 | 41 | ((demand with curve) or "descrete choice model") and (historical and (forecast\$ or predicted)) and ((revenue or profit) with model)                            | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L279 | 31 | ((demand with curve) or "descrete choice model") same ((price or service) with level)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L280 | 6  | ((demand with curve) or "descrete choice model") same ((price with level) and (service with level))   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L281 | 4  | "5862556"   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L282 | 50 | "6041307"   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L283 | 6  | ("5862556") or ("6041307") or ("6230144").PN.   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L284 | 0  | (10/718210).APP.  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L285 | 0  | "10718210.ap"   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L286 | 2  | ("20050114274").PN.   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |

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|------|-----|---|---|----|-----|------------------|
| L287 | 346 | (computer with resource) and ((electronic or electric) with utility)      | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L288 | 1   | L222 and L287   | US-PGPUB; USPAT                             | OR | ON  | 2010/05/21 16:52 |
| L289 | 8   | L287 and "yield management"   | US-PGPUB; USPAT                             | OR | ON  | 2010/05/21 16:52 |
| L290 | 77  | (computer with resource) and ("electronic utility" or "electric utility") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L291 | 1   | L222 and L290   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L292 | 1   | L290 and (management with model)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L293 | 1   | L290 and (demand same goal same management)                               | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L294 | 57  | L290 and demand   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L295 | 43  | L294 and usage  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L296 | 15  | L294 and (demand same usage)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L297 | 20  | (computer adj3 resource) and ("electronic utility" or "electric utility") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |

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|------|-------|--|---|----|-----|------------------|
| L298 | 0     | (computer adj3 resource) same ("electronic utility" or "electric utility") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L299 | 22    | resource with ("electronic utility" or "electric utility")                 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L300 | 2308  | resource with utility  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L301 | 24    | L300 same (price and service)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L302 | 14004 | computer with utility  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L303 | 2     | (US-20040249699-\$).did. or (US-6526392-\$).did.                           | US-PGPUB; USPAT                             | OR | OFF | 2010/05/21 16:52 |
| L304 | 1     | L303 and web   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L305 | 34267 | web with host\$  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L306 | 20    | L222 and L305  | US-PGPUB; USPAT                             | OR | ON  | 2010/05/21 16:52 |
| L307 | 14543 | web adj3 host\$  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/21 16:52 |
| L308 | 11    | L222 and L307  | US-PGPUB; USPAT                             | OR | ON  | 2010/05/21 16:52 |
| L309 | 5694  | "electric utility"   | US-PGPUB; USPAT                             | OR | ON  | 2010/05/21 16:52 |
| L310 | 202   | "electronic utility"   | US-PGPUB; USPAT                             | OR | ON  | 2010/05/21 16:52 |

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|------|----|---|---|----|-----|---------------------|
| L311 | 1  | L222 and L310   | US-PGPUB;<br>USPAT                                      | OR | ON  | 2010/05/21<br>16:52 |
| L312 | 9  | L310 and (allocat\$ with<br>resource)   | US-PGPUB;<br>USPAT                                      | OR | ON  | 2010/05/21<br>16:52 |
| L313 | 25 | "electronic utility" same<br>resource   | US-PGPUB;<br>USPAT                                      | OR | ON  | 2010/05/21<br>16:52 |
| L314 | 22 | (("6601083") or<br>("6526935") or<br>("6085169") or<br>("6009407") or<br>("5640569") or<br>("20030126202") or<br>("20030088457") or<br>("20020120492") or<br>("20020065699") or<br>("20020055865")).PN. | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/05/21<br>17:05 |
| L315 | 2  | 314 and ((quantit\$ or<br>amount) near3 product)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/05/21<br>17:18 |

**EAST Search History (Interference)**

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**5/ 21/ 2010 5:24:04 PM**

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for Revenue Optimization-10718210.wsp**